

Date: * Wednesday, 3/12/2008 1:41:52 PM
 User: Kim Johnston

Process Sheet

Customer : CU-DAR001 Dart Helicopters Services	Drawing Name : SADDLE FITTING, AFT (OUTBOARD/INBOARD)
Job Number : 37854	
Estimate Number : 10533	
P.O. Number :	Part Number : D2573
This Issue : 3/12/2008 S.O. No. :	Drawing Number : D2573 REV E
Prsht Rev. : NC	Project Number : N/A
First Issue : / / Type : MACHINED PARTS	Drawing Revision : E
Previous Run : 37566	Material :
Written By :	Due Date : 4/4/2008 Qty: 8 Um: Each
Checked & Approved By : <u>JA 08 03 12</u>	
Comment : Est. I As Per RevE 06-01-27 JLM	

Additional Product

Job Number:



Seq. #:	Machine Or Operation:	Description :
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1.0	D6101007	7075-T7351 8.25X7.75X2.5
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Comment: Qty.: 1.0000 Each(s)/Unit Total : 8.0000 Each(s)
 7075-T7351 8.25X7.75X2.5
 Make from D6101-007 billet for D2573
 Ensure that grain is along 7.75" length
 Batch No: B34875

ml 08/03/14

2.0	HAAS1	HAAS CNC VERTICAL MACHINING #1
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Comment: HAAS CNC VERTICAL MACHINING #1
 Program Batch No. 37854 Double check by: DJP

1-Machine Step No 1 per Folio FA051 and inspect per attached Dimension Sheets
 2-Machine Step No 2 per Folio FA051 and inspect per attached Dimension Sheets
 3-Machine Step No 3 per Folio FA051 and inspect per attached Dimension Sheets
 4-Deburr and remove all machining marks
 5-Tumble to remove sharp edges.

ml/SA 08/03/18

3.0	MILLING CONV.	CONVENTIONAL MILLING MACHINE
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Comment: CONVENTIONAL MILLING MACHINE
 Machine keyway as per dwg D2573 & D2574

ml/SA 08/03/18

4.0	QC2	INSPECT PARTS AS THEY COME OFF MACHINE
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Comment: INSPECT PARTS AS THEY COME OFF MACHINE

ml/SA 08/03/18

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Wednesday, 3/12/2008 1:41:53 PM
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Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: SADDLE FITTING, AFT (OUTBOARD/INBOARD)

Job Number: 37854

Part Number: D2573

Job Number:



Seq. #:

Machine Or Operation:

Description :

5.0

QC8

SECOND CHECK



Comment: SECOND CHECK

2F 08/03/24

6.0

HAND FINISHING1

HAND FINISHING RESOURCE #1



Comment: HAND FINISHING RESOURCE #1

Acid etch and Alodine as per QSI 005 4.1

AL 08-03-24 (48)

7.0

POWDER COATING

POWDER COATING



Comment: POWDER COATING

Powder Coat White Gloss (Ref: 4.3.5.1) as per QSI 005 4.3

M 107005 BL 08-03-25 (8)

8.0

QC3

INSPECT POWDER COAT/CHEMICAL CONVERSION



Comment: INSPECT POWDER COAT

BS AL 08-03-25 (X8)

9.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location: ST 433

AS 08/03/25 (X8)

10.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

AD 08/03/26

Job Completion



W 08/03/26

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

DART AEROSPACE LTD	Work Order:	37854
Description: Saddle, Aft Outboard	Part Number:	D2573
Inspection Dwg: D2573 Rev. E		Page 1 of 1

Inspect dimensions highlighted on inspection sheet drawing D2573 Rev. E and record below:

Dim	Min	Max	Go/No Go Gauge	Recorded Actual Dimensions				By	Date
				1	2	3	4		
A	0.438	0.443		.440	.446	.440	.440		
B	1.745	1.755		1.750	1.750	1.750	1.750		
C	3.495	3.505		3.500	3.500	3.500	3.500		
D	1.745	1.755		1.750	1.750	1.750	1.750		
E	7.990	8.010		8.004	8.003	8.005	8.005		
F	0.490	0.510		.505	.502	.499	.754		
G	0.257	0.262		.260	.260	.260	.260		
H	0.375	0.380		.378	.378	.378	.378		
I	0.490	0.510		.501	.505	.504	.505		
J	1.174	1.184		1.179	1.179	1.179	1.179		
K	0.558	0.578		.569	.571	.571	.571		
L	1.174	1.184		1.179	1.179	1.179	1.179		
M	1.365	1.375		1.368	1.370	1.370	1.370		
N	2.495	2.505		2.500	2.499	2.500	2.500		
O	4.119	4.129		4.124	4.124	4.124	4.124		
P	0.115	0.135		.133	.127	.126	.125		
Q	0.115	0.135		.135	.135	.135	.135		
R	0.240	0.260		.255	.256	.256	.256		
S	0.115	0.135		.121	.124	.128	.127		
T	0.178	0.198		.188	.188	.188	.188		
U	3.210	3.250		3.228	3.226	3.228	3.230		
V	0.230	0.250		.239	.246	.243	.243		
W	0.115	0.135		.120	.134	.129	.128		
X	0.308	0.313		.309	.310	.311	.310		
Y	0.760	0.765		.761	.760	.760	.760		
Z	0.352	0.372		.365	.363	.367	.366		
AA	0.470	0.530		.500	.500	.500	.500		
AB	0.615	0.635		.630	.632	.625	.628		
AC	0.053	0.073		.063	.063	.063	.063		
AD	0.240	0.260		.248	.257	.253	.251		
AE	1.500	1.520		1.519	1.510	1.515	1.512		
AF	0.115	0.135		.125	.125	.125	.125		
AG	0.240	0.280		.260	.260	.260	.260		
AH	0.240	0.260		.249	.256	.255	.254		
AI	2.000	2.020		2.008	2.000	2.005	2.003		
AJ	0.023	0.043		.033	.033	.033	.033		
Accept/Reject									

Measured by:	amf/SA
Date:	08/03/18

Audited by:	825
Date:	08/03/24

Rev	Date	Change	Revised by	Approved
A		New Issue	RF	
B	02.09.26	Re-format; Added Rev. D	KJ	
C	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension AI	KJ/RF	
E	05.12.05	Added dimension AJ	KJ/JLM	

DART AEROSPACE LTD	Work Order:	37854
Description: Saddle; Aft Outboard	Part Number:	D2573
Inspection Dwg: D2573 Rev. E		Page 1 of 1

Inspect dimensions highlighted on inspection sheet drawing D2573 Rev. E and record below:

				Recorded Actual Dimensions					
Dim	Min	Max	Go/No Go Gauge	1	2	3	4	By	Date
A	0.438	0.443		.0740	.440	.440	.440		
B	1.745	1.755		1.750	1.750	1.750	1.750		
C	3.495	3.505		3.500	3.500	3.500	3.500		
D	1.745	1.755		1.750	1.750	1.750	1.750		
E	7.990	8.010		8.0045	8.004	8.004	8.004		
F	0.490	0.510		.492	.493	.494	.493		
G	0.257	0.262		.258	.258	.258	.258		
H	0.375	0.380		.376	.376	.376	.376		
I	0.490	0.510		.503	.503	.504	.503		
J	1.174	1.184		1.179	1.179	1.179	1.179		
K	0.558	0.578		.570	.570	.572	.571		
L	1.174	1.184		1.179	1.179	1.179	1.179		
M	1.365	1.375		1.370	1.370	1.370	1.370		
N	2.495	2.505		2.500	2.500	2.500	2.500		
O	4.119	4.129		4.124	4.124	4.124	4.124		
P	0.115	0.135		.126	.126	.125	.126		
Q	0.115	0.135		.135	.135	.135	.135		
R	0.240	0.260		.257	.257	.253	.253		
S	0.115	0.135		.127	.127	.123	.123		
T	0.178	0.198		.188	.188	.188	.188		
U	3.210	3.250		3.230	3.230	3.230	3.230		
V	0.230	0.250		.245	.245	.239	.241		
W	0.115	0.135		.128	.128	.123	.124		
X	0.308	0.313		.310	.311	.310	.310		
Y	0.760	0.765		.760	.760	.760	.760		
Z	0.352	0.372		.366	.366	.365	.366		
AA	0.470	0.530		.500	.500	.500	.500		
AB	0.615	0.635		.626	.626	.630	.630		
AC	0.053	0.073		.063	.063	.063	.063		
AD	0.240	0.260		.257	.257	.252	.253		
AE	1.500	1.520		1.513	1.513	1.513	1.510		
AF	0.115	0.135		.135	.135	.135	.135		
AG	0.240	0.280		.265	.265	.265	.265		
AH	0.240	0.260		.257	.256	.257	.254		
AI	2.000	2.020		2.003	2.001	2.000	2.000		
AJ	0.023	0.043		.033	.032	.033	.033		
Accept/Reject									

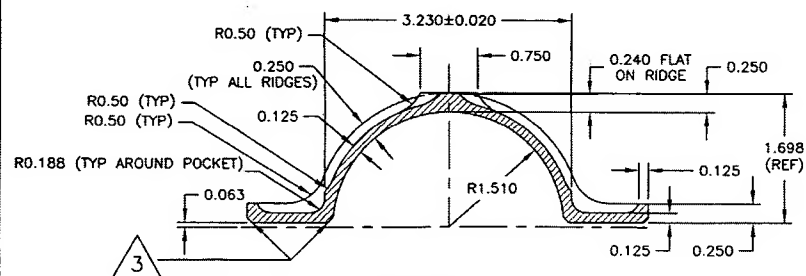
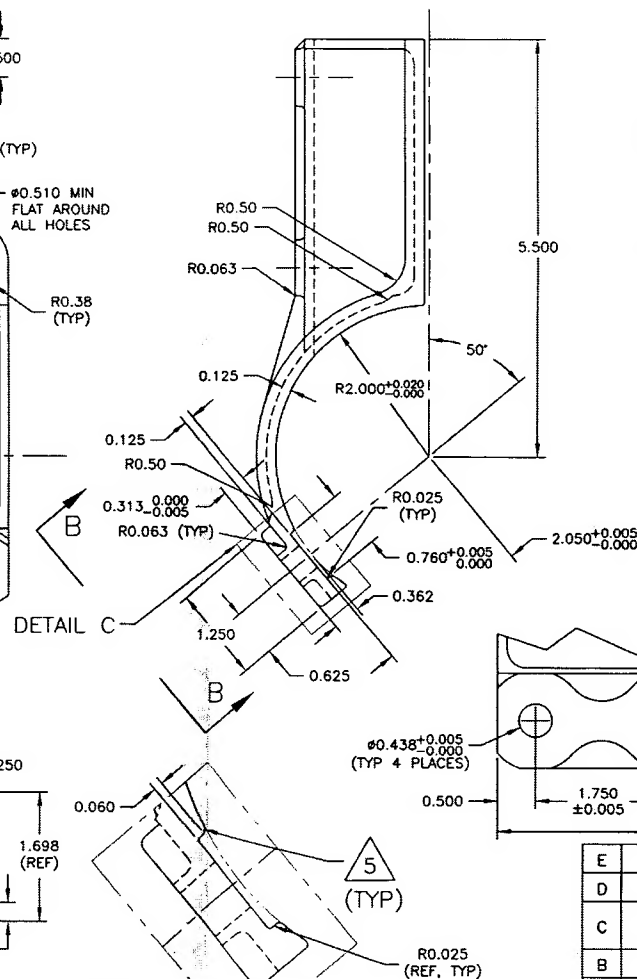
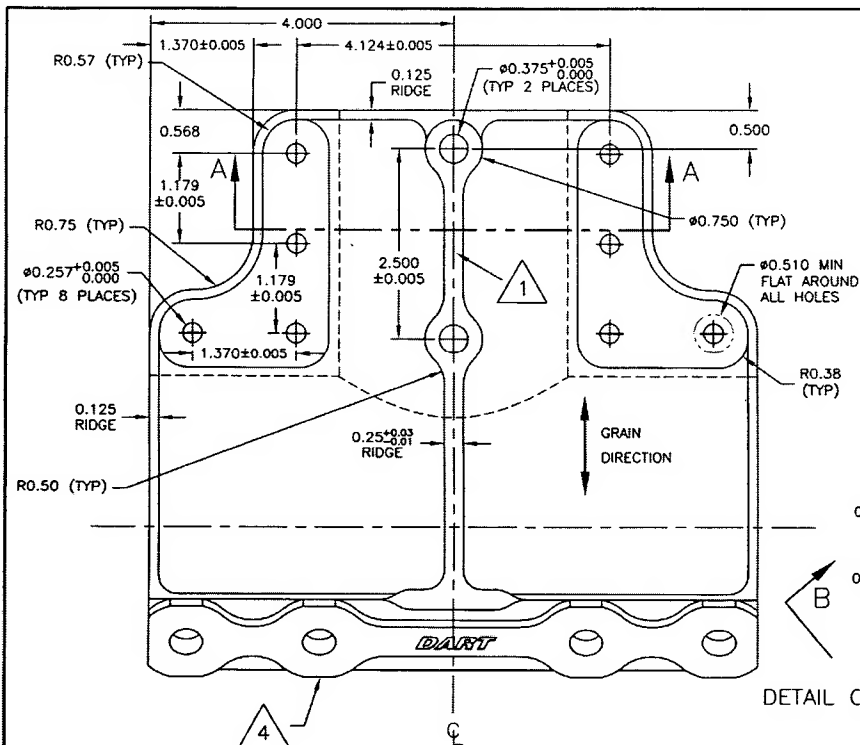
Measured by:	<i>SA</i>
Date:	08/03/18

Audited by:	<i>SA</i>
Date:	08/03/21

Rev	Date	Change	Revised by	Approved
A		New Issue	RF	
B	02.09.26	Re-format; Added Rev. D	KJ	
C	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension AI	KJ/RF	
E	05.12.05	Added dimension AJ	KJ/JLM	<i>SA</i>

RELEASED

05.12.06



SECTION A-A

DETAIL C
SCALE 4:3

NOTES

MATERIAL: 7075-T7351 (QQ-A-250/12)

(REF DART SPEC. D6102-001)

FINISH: ACID ETCH, ALODINE PER DART QSI 005 4.1

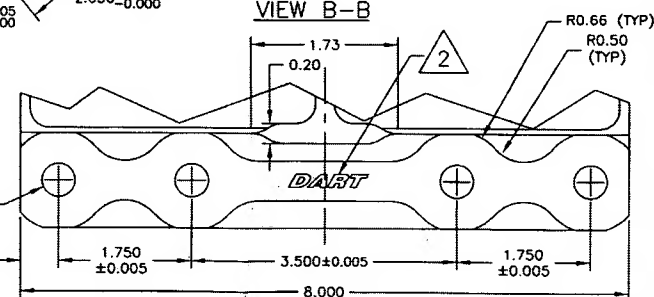
POWDER COAT GLOSS WHITE (REF 4.3.5.1) PER DART QSI 005 4.3

BREAK ALL SHARP EDGES 0.010 TO 0.020

TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

- 1 ENGRAVE PART AND BATCH NUMBER IN THIS AREA TO MAX DEPTH OF 0.010
- 2 ENGRAVE DART LOGO TO MAX DEPTH OF 0.015 WITH MIN RAD 0.125
- 3 CHAMFER 0.063" x 45° AROUND THIS SURFACE (TYPICAL 2 PLACES)
- 4 CHAMFER 0.063" x 45° ALL AROUND
- 5 CHAMFER 0.033" x 45° (SEE DETAIL C)

VIEW B-B



E	05.07.13	ADD CHAMFER ON RIDGE NOTE 5
D	02.09.06	ADD RIDGES; TIGHTEN TOLERANCES
C	99.10.22	INCORP. DEO 9123/9079/9102 ADD DIMENSIONS PER TSR A1177
B	96.12.02	ADD GRAIN DIR., 0.438 WAS 0.425
A	96.09.16	NEW ISSUE
DESIGN	DS	DRAWN BY PH
CHECKED	#	APPROVED #
DATE	05.07.13	DRAWING NO. D2573
		TITLE OUTER AFT SADDLE
		REV. E SHEET 1 OF 1 SCALE 2:3

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MARKHAM, ONTARIO, CANADA

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